

Title (en)  
RESPIRATORY CARE APPARATUS

Title (de)  
ATEMSCHUTZVORRICHTUNG

Title (fr)  
APPAREIL DE SOINS RESPIRATOIRES

Publication  
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Application  
**EP 16891343 A 20161130**

Priority  
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Abstract (en)  
[origin: WO2017144963A2] Described herein is a respiratory care apparatus capable of performing multitude of therapy for secretion management and breath assistance therapy. The respiratory care apparatus comprises an electromechanical air router assembly (EARA) and an interfacing assembly. The EARA includes independent first and second pressure generating sources for assisted inhalation/insufflation and assisted exhalation/exsufflation process. The interfacing assembly includes a patient interface port and a patient interface tube. The interfacing assembly forms two pneumatically separate paths. The respiratory care apparatus is configured to generate alternate positive and negative pressure at the patient interface port for assisted inhalation/insufflation and assisted exhalation/exsufflation processes respectively. The assisted inhalation/insufflation and assisted exhalation/exsufflation processes are carried out independently through separate conduits/passages to reduce contamination and infection. Further, the respiratory care apparatus comprises a garment which oscillates due to alternate positive and negative pressure generation and provides therapy to the patient.

IPC 8 full level  
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Citation (search report)  
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